

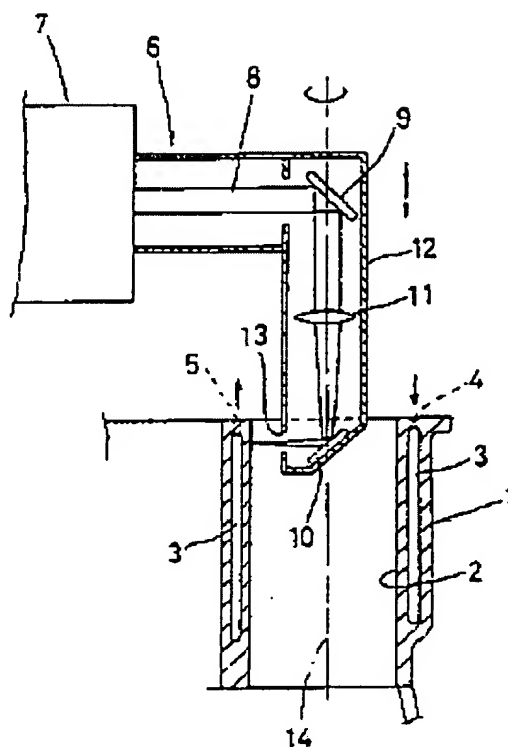
# METHOD FOR HARDENING CYLINDER BLOCK IN WATER-COOLED INTERNAL-COMBUSTION ENGINE WITH LASER

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## Abstract of JP61060818

**PURPOSE:** To prevent reduction in the durability of an irradiating tube due to damage or the like by circulating a fluid for cooling such as water or air through a water jacket in a cylinder block. **CONSTITUTION:** Laser light 8 is irradiated on the surface of the bore 2 of a cast cylinder block 1 having a water jacket 3 for cooling an engine through an irradiating tube 12 which is moved back and forth in the bore 2 to carry out laser hardening. At this time, a fluid for cooling such as water or air is circulated through the water jacket 3 in the cylinder block 1.



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